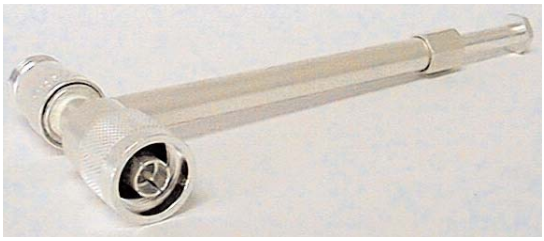
Stub Tuners, S1 - S3 series

Single, Double and Triple Stub Tuners
250 - 6,000 MHz

- Noise Free Operation
- Adjustment Locking
- Long Life Be-Cu Contacts
- 100 Watt Average Power
- N-male/female Standard
- SMA available



Microlab single, double and triple stub tuners are impedance matching instruments consisting of independently variable branch lines or stubs connected to a main line. A common application is in amplifier development to test operation under varying degrees of mismatch or load pull.

Beryllium copper contacts assure long life and noise free operation. Mechanical end stops at each end of the travel prevent accidental disassembly, and locking caps allow adjustment of sliding tension and provide final adjustment locking.

Two stub types are used. Type 1 consists of a slotted outer conductor that permits adjustment of the stub position without increasing overall dimensions. Type 2, used for higher frequencies is adjusted by a handle extending from the mouth of the stub.

Standard units are available with one, two and three stubs using a variety of connectors. (06/09)

Insertion Loss:	0.2 dB max.
Impedance:	50Ω nominal
Power Rating:	100 W avg., 5 kW peak
Temperature:	-55°C to +150°C
Connectors:	male-female
Finish:	Silver or tri-plate

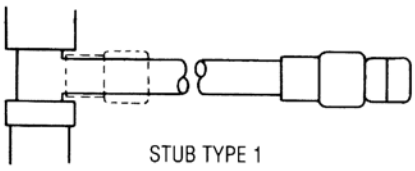
Alternate Connector Specifications

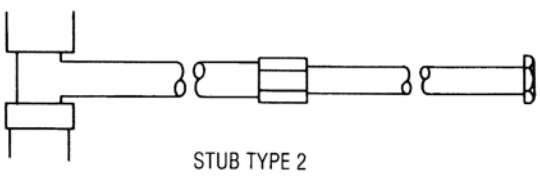
Connector/Suffix		Typical Model Number
N type	N	S2-02N
SMA	F	S2-02F

					Basic Model Number with N connectors					
					Single Stub		Double Stub		Triple Stub	
Frequency Range MHz	Stub Type	*Electrical Stub Spacing in. (mm)	Stub Travel in. (mm)	Height in. (mm)	Model No	Length in. (mm)	Model No	Length in. (mm)	Model No	Length in. (mm)
250-750	1	3.5 (89)	30.0 (762)	31.7 (805)	**S1-02N**	2.6 (66)	**S2-02N**	6.1 (155)	**S3-02N**	9.6 (244)
500-3000	1	1.5 (38)	12.0 (305)	13.7 (348)	**S1-05N**	2.6 (66)	**S2-05N**	4.1 (104)	**S3-05N**	5.6 (142)
1500-6000	2	0.75 (19)	3.5 (89)	5.0 (127)	**S1-15N**	2.6 (66)	**S2-15N**	3.4 (86)	**S3-15N**	4.1 (104)

*Applicable to Double and Triple Stub Models only.

Stub Types





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